

1102 #7

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/844,508

DATE: 10/19/2001

TIME: 11:50:50

Input Set : A:\8325-0014.txt

Output Set: N:\CRF3\10192001\I844508.raw

3 <110> APPLICANT: WOLFFE, Alan P.
 4 COLLINGWOOD, Trevor
 6 <120> TITLE OF INVENTION: TARGETED MODIFICATION OF CHROMATIN STRUCTURE
 8 <130> FILE REFERENCE: 8325-0014 / S14-US1
 10 <140> CURRENT APPLICATION NUMBER: 09/844,508
 11 <141> CURRENT FILING DATE: 2001-04-27
 13 <150> PRIOR APPLICATION NUMBER: 60/200,590
 14 <151> PRIOR FILING DATE: 2000-04-28
 16 <150> PRIOR APPLICATION NUMBER: 60/228,523
 17 <151> PRIOR FILING DATE: 2000-08-28
 19 <160> NUMBER OF SEQ ID NOS: 49
 21 <170> SOFTWARE: PatentIn Ver. 2.0
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 9
 25 <212> TYPE: DNA
 26 <213> ORGANISM: Artificial Sequence ✓
 28 <220> FEATURE:
 29 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg 1 target ✓
 30 site 3' to 5'
 32 <400> SEQUENCE: 1
 33 cccctccta 9
 35 <210> SEQ ID NO: 2
 36 <211> LENGTH: 9
 37 <212> TYPE: DNA
 38 <213> ORGANISM: Artificial Sequence ✓
 40 <220> FEATURE:
 41 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg 1 target ✓
 42 site 5' to 3'
 44 <400> SEQUENCE: 2
 45 ggggaggat 9
 47 <210> SEQ ID NO: 3
 48 <211> LENGTH: 7
 49 <212> TYPE: PRT
 50 <213> ORGANISM: Artificial Sequence ✓
 52 <220> FEATURE:
 53 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg 1 AA ✓
 54 sequence F1
 56 <400> SEQUENCE: 3
 57 Thr Thr Ser Asn Leu Arg Arg
 58 1 5
 61 <210> SEQ ID NO: 4
 62 <211> LENGTH: 7
 63 <212> TYPE: PRT
 64 <213> ORGANISM: Artificial Sequence ✓
 66 <220> FEATURE:
 67 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg 1 AA ✓
 68 sequence F2

ENTERED

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70 <400> SEQUENCE: 4
71 Arg Ser Ser Asn Leu Gln Arg
72 1 5
75 <210> SEQ ID NO: 5
76 <211> LENGTH: 7
77 <212> TYPE: PRT
78 <213> ORGANISM: Artificial Sequence ✓
80 <220> FEATURE:
81 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg 1 AA ✓
82 sequence F3
84 <400> SEQUENCE: 5
85 Arg Ser Asp His Leu Ser Arg
86 1 5
89 <210> SEQ ID NO: 6
90 <211> LENGTH: 9
91 <212> TYPE: DNA ✓
92 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg 3a target ✓
96 site
98 <400> SEQUENCE: 6
99 gcggaggct 9
101 <210> SEQ ID NO: 7
102 <211> LENGTH: 7
103 <212> TYPE: PRT
104 <213> ORGANISM: Artificial Sequence ✓
106 <220> FEATURE:
107 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg 3a AA ✓
108 sequence F1
110 <400> SEQUENCE: 7
111 Gln Ser Ser Asp Leu Gln Arg
112 1 5
115 <210> SEQ ID NO: 8
116 <211> LENGTH: 7
117 <212> TYPE: PRT
118 <213> ORGANISM: Artificial Sequence ✓
120 <220> FEATURE:
121 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg 3a AA ✓
122 sequence F2
124 <400> SEQUENCE: 8
125 Arg Ser Ser Asn Leu Gln Arg
126 1 5
129 <210> SEQ ID NO: 9
130 <211> LENGTH: 7
131 <212> TYPE: PRT
132 <213> ORGANISM: Artificial Sequence ✓
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg 3a AA ✓
136 sequence F3

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138 <400> SEQUENCE: 9
139 Arg Ser Asp Glu Leu Ser Arg
140   1           5
143 <210> SEQ ID NO: 10
144 <211> LENGTH: 298
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg1 ✓
150     nucleotide sequence
152 <400> SEQUENCE: 10
153 ggtacccata cctggcaaga agaagcagca catctgccac atccagggct gtggtaaagt 60
154 ttacggcaca acctcaaatc tgcgtogtca cctgcgctgg cacaccggcg agaggccttt 120
155 catgtgtacc tggctctact gtggtaaacy cttcacccgt tcgtcaaacc tgcagcgtca 180
156 caagcgtacc cacaccgggtg agaagaaatt tgcttgcccg gagtgtccga agcgcttcat 240
157 gogtagtgac cacctgtccc gtcacatcaa gaccaccag aataagaagg gtggatcc 298
159 <210> SEQ ID NO: 11
160 <211> LENGTH: 99
161 <212> TYPE: PRT
162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg1 amino ✓
166     acid sequence
168 <400> SEQUENCE: 11
169 Val Pro Ile Pro Gly Lys Lys Lys Gln His Ile Cys His Ile Gln Gly
170   1           5           10           15
172 Cys Gly Lys Val Tyr Gly Thr Thr Ser Asn Leu Arg Arg His Leu Arg
173       20           25           30
175 Trp His Thr Gly Glu Arg Pro Phe Met Cys Thr Trp Ser Tyr Cys Gly
176       35           40           45
178 Lys Arg Phe Thr Arg Ser Ser Asn Leu Gln Arg His Lys Arg Thr His
179       50           55           60
181 Thr Gly Glu Lys Lys Phe Ala Cys Pro Glu Cys Pro Lys Arg Phe Met
182  65           70           75           80
184 Arg Ser Asp His Leu Ser Arg His Ile Lys Thr His Gln Asn Lys Lys
185       85           90           95
187 Gly Gly Ser
191 <210> SEQ ID NO: 12
192 <211> LENGTH: 29
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence ✓
196 <220> FEATURE:
197 <223> OTHER INFORMATION: Description of Artificial Sequence: duplex ✓
198     oligonucleotide binding target 5'-3'
200 <400> SEQUENCE: 12
201 catgcatagc ggggaggatc gccatcgat 29
203 <210> SEQ ID NO: 13
204 <211> LENGTH: 14
205 <212> TYPE: PRT

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206 <213> ORGANISM: Artificial Sequence ✓
 208 <220> FEATURE:
 209 <223> OTHER INFORMATION: Description of Artificial Sequence: NLS derived ✓
 210 SV40 large T-antigen
 212 <400> SEQUENCE: 13
 213 Met Ala Pro Lys Lys Lys Arg Lys Val Gly Ile His Gly Val
 214 1 5 10
 217 <210> SEQ ID NO: 14
 218 <211> LENGTH: 8
 219 <212> TYPE: PRT ✓
 220 <213> ORGANISM: Artificial Sequence ✓
 222 <220> FEATURE:
 223 <223> OTHER INFORMATION: Description of Artificial Sequence: ✓
 224 double-stranded oligonucleotide encoding a FLAG
 225 epitope
 227 <400> SEQUENCE: 14
 228 Asp Tyr Lys Asp Asp Asp Asp Lys
 229 1 5
 232 <210> SEQ ID NO: 15 ✓
 233 <211> LENGTH: 19
 234 <212> TYPE: DNA ✓
 235 <213> ORGANISM: Artificial Sequence
 237 <220> FEATURE:
 238 <223> OTHER INFORMATION: Description of Artificial Sequence: target site ✓
 239 for human VEGF-A ✓
 241 <400> SEQUENCE: 15
 242 ggggaggatc gcggaggct 19
 244 <210> SEQ ID NO: 16
 245 <211> LENGTH: 5
 246 <212> TYPE: PRT ✓
 247 <213> ORGANISM: Artificial Sequence ✓
 249 <220> FEATURE:
 250 <223> OTHER INFORMATION: Description of Artificial Sequence: linker ✓
 251 sequence ✓
 253 <400> SEQUENCE: 16
 254 Asp Gly Gly Gly Ser
 255 1 5
 258 <210> SEQ ID NO: 17
 259 <211> LENGTH: 298
 260 <212> TYPE: DNA ✓
 261 <213> ORGANISM: Artificial Sequence ✓
 263 <220> FEATURE:
 264 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg3a ✓
 265 nucleotide sequence ✓
 267 <400> SEQUENCE: 17
 268 ggtacccata cctggcaaga agaagcagca catctgccac atccagggct gtggtaaagt 60
 269 ttacggccag tctccgacc tgcagcgta cctgcgctgg cacaccggcg agaggccttt 120
 270 catgtgtacc tggctctact gtggtaaacy cttcaccggt tcgtcaaacc tacagaggca 180
 271 caagcgtaca cacaccgggtg agaagaaatt tgcttgcccg gagtggtccga agcgcttcatt 240

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272 gcgaagtgcac gagctgtcac gacatatcaa gacccaccag aacaagaagg gtggatcc 298
274 <210> SEQ ID NO: 18
275 <211> LENGTH: 99
276 <212> TYPE: PRT
277 <213> ORGANISM: Artificial Sequence ✓
279 <220> FEATURE:
280 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg3a amino ✓
281 acid sequence
283 <400> SEQUENCE: 18
284 Val Pro Ile Pro Gly Lys Lys Lys Gln His Ile Cys His Ile Gln Gly
285 1 5 10 15
287 Cys Gly Lys Val Tyr Gly Gln Ser Ser Asp Leu Gln Arg His Leu Arg
288 20 25 30
290 Trp His Thr Gly Glu Arg Pro Phe Met Cys Thr Trp Ser Tyr Cys Gly
291 35 40 45
293 Lys Arg Phe Thr Arg Ser Ser Asn Leu Gln Arg His Lys Arg Thr His
294 50 55 60
296 Thr Gly Glu Lys Lys Phe Ala Cys Pro Glu Cys Pro Lys Arg Phe Met
297 65 70 75 80
299 Arg Ser Asp Glu Leu Ser Arg His Ile Lys Thr His Gln Asn Lys Lys
300 85 90 95
302 Gly Gly Ser
306 <210> SEQ ID NO: 19
307 <211> LENGTH: 29
308 <212> TYPE: DNA
309 <213> ORGANISM: Artificial Sequence ✓
311 <220> FEATURE:
312 <223> OTHER INFORMATION: Description of Artificial Sequence: Veg3a DNA ✓
313 target site
315 <400> SEQUENCE: 19
316 catgcatatc gcggaggctt ggcacatgat 29
318 <210> SEQ ID NO: 20
319 <211> LENGTH: 29
320 <212> TYPE: DNA
321 <213> ORGANISM: Artificial Sequence ✓
323 <220> FEATURE:
324 <223> OTHER INFORMATION: Description of Artificial Sequence: primer SPE7 ✓
326 <400> SEQUENCE: 20
327 gagcagaatt cggcaagaag aagcagcac 29
329 <210> SEQ ID NO: 21
330 <211> LENGTH: 26
331 <212> TYPE: DNA
332 <213> ORGANISM: Artificial Sequence ✓
334 <220> FEATURE:
335 <223> OTHER INFORMATION: Description of Artificial Sequence: primer ✓
336 SPEamp12
338 <400> SEQUENCE: 21
339 gtggtctaga cagctcgtca cttagc 26
341 <210> SEQ ID NO: 22

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VERIFICATION SUMMARY

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